

## A SMALL SAGE APHID

BY GEORGE F. KNOWLTON

*Utah State Agricultural College, Logan*

The following report deals with an apparently undescribed genus and species of sagebrush aphid. Distribution records for a few species in the genus *Microsiphum* are also included.

*Zyxaphis* Knowlton, new genus

Size small; head with antennal tubercles undeveloped; antennae six segmented (sometimes with tendency for antennals III and IV to not fully separate); sensoria of antennae circular to subcircular, not abundant; fore wings with the media twice branched; hind wings with both media and cubitus present; cornicles truncate, sub-cylindrical, not longer than thick; cauda slightly developed, with numerous hairs and with some tendency to be angular at apex; anal plate rounded; lateral tubercles on abdomen prominent; reticulated areas on cuticula of abdomen.

Type, *Zyxaphis utahensis* Knowlton.

*Zyxaphis utahensis* Knowlton, new species

*Alate vivipara*: Size small, body 1.52 to 1.6 mm. long and .72 to .8 wide across abdomen; ocular tubercles well developed; antennal tubercles undeveloped; antennae .64, dusky to blackish and imbricated beyond antennal II; antennal III and IV with a tendency not to fully divide (on 2 of the antennae); antennal III, .16 mm long with 2 to 4 sensoria; IV, .112 to .15 with 0 to 1 sensorium; V, .128 to .132; VI, .093 plus .078, to .096 plus .08; restrum reaching second coxae, tip acute, rostral IV + V, .14 mm. long; wing venation normal, media twice branched; hind tibiae pale to dusky near apex, .51 to .61 mm. long; hind tarsi .07 to .115; lateral portions of body cuticle reticulated in some areas; lateral tubercles prominent; cornicles .033, dusky, truncate, about as broad as long, short-cylindrical in shape, imbricated; cauda short, dusky, broadly triangular with blunt apex; abdominal tubercles well developed.

*Collection*: Taken on *Artemisia tridentata* at MT. CARMEL, UTAH, May 24, 1940, by G. F. Knowlton. Type in the collection of the writer.